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Date: Dec 30, 2000 10:16 AM

About: Results were produced by the Gencore software, version 4.5,  
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seq\_documentation\_block:  
Sequence 4, Application US/07820011A  
Patent No. 533615

GENERAL INFORMATION:  
APPLICANT: Zell, Leonard  
APPLICANT: Madril, Joseph A.  
APPLICANT: Warren, Stephen L.  
APPLICANT: Luthringer, Daniel J.  
TITLE OF INVENTION: Genetically Engineered  
TITLE OF INVENTION: Endothelial Cells Exhibiting Enhanced  
TITLE OF INVENTION: Migration  
TITLE OF INVENTION: and Plasmidogen Activator Activity  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Maurice M. Klee  
STREET: 1951 Burr Street  
CITY: Fairfield  
STATE: Connecticut  
COUNTRY: USA  
ZIP: 06430  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb storage  
COMPUTER: IBM PC XT  
OPERATING SYSTEM: PC-DOS/MS-DOS 2.10  
SOFTWARE: Displaywrite 3  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/820,011A  
FILING DATE: 19920106  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Klee, Maurice M.  
REGISTRATION NUMBER: 30,399  
REFERENCE/DOCKET NUMBER: LB-101  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (203) 255 1400  
TELEFAX: (203) 254 1101  
INFORMATION FOR SEQ ID NO: 4:  
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LENGTH: 536 amino acids  
TYPE: AMINO ACID  
TOPOLOGY: Linear  
MOLECULE TYPE: Protein  
HYPOTHEICAL: NO  
FRAGMENT TYPE: Complete Sequence  
ORIGINAL SOURCE:  
ORGANISM: Homo sapien  
PUBLICATION INFORMATION:  
AUTHORS: Anderson, Stephen K.  
AUTHORS: Gibbs, Carol P.  
AUTHORS: Tanaka, Akio  
AUTHORS: Kung, Hsing-Jien  
AUTHORS: Fujita, Donald J.  
TITLE: Human Cellular src Gene:  
TITLE: Nucleotide Sequence and Derived Amino  
TITLE: Acl, Sequence of the Region Coding for  
TITLE: the Carboxy-Terminus? Two-Thirds of  
JOURNAL: Molecular and Cellular Biology  
VOLUME: 5  
ISSUE: 5  
PAGES: 1122-1129  
DATE: May, 1985  
PUBLICATION INFORMATION:  
AUTHORS: Tanaka, Akio  
AUTHORS: Gibbs, Carol P.

AUTHORS: Arthur, Richard R.  
 AUTHORS: Anderson, Stephen K.  
 AUTHORS: Kung, Hsing-Jien  
 AUTHORS: Fujita, Donald J.  
 TITLE: DNA Sequence Encoding the  
 TITLE: Amino-Terminal Region of the Human c-src  
 TITLE: Protein: Implications of Sequence  
 TITLE: Divergence among src-Type Kinase  
 TITLE: Oncogenes  
 JOURNAL: Molecular and Cellular Biology  
 VOLUME: 7  
 ISSUE: 5  
 PAGES: 1978-1983  
 DATE: May, 1987  
 US-07-820-011A-4

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 APPLICANT: Madril, Joseph A.  
 APPLICANT: Warren, Stephen L.  
 APPLICANT: Luthringer, Daniel J.  
 TITLE OF INVENTION: Genetically Engineered  
 TITLE OF INVENTION: Endothelial Cells  
 NUMBER OF SEQUENCES: 4  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Maurice M. Klee  
 STREET: 1951 Burr Street  
 CITY: Fairfield  
 STATE: Connecticut  
 COUNTRY: USA  
 ZIP: 06430  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: 3.5 inch, 760 KB storage  
 COMPUTER: DELL 486/50  
 OPERATING SYSTEM: DOS 5.0  
 SOFTWARE: Displaywrite 3  
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 FILING DATE: 19930105  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/820,011  
 FILING DATE: 06-JAN-1992  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Klee, Maurice M.  
 REGISTRATION NUMBER: 30,399  
 REFERENCE/DOCKET NUMBER: ALX-101PCT  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (203) 255 1400  
 TELEFAX: (203) 254 1101  
 INFORMATION FOR SEQ ID NO: 4:  
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 TOPOLOGY: Linear  
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 FRAGMENT TYPE: Complete Sequence  
 ORIGINAL SOURCE:  
 ORGANISM: Homo sapien  
 PUBLICATION INFORMATION:  
 AUTHORS: Anderson, Stephen K.  
 AUTHORS: Gibbs, Carol P.  
 AUTHORS: Tanaka, Akio  
 AUTHORS: Kung, Hsing-Jien  
 AUTHORS: Fujita, Donald J.  
 TITLE: Human Cellular src Gene:  
 TITLE: Nucleotide Sequence and Derived Amino  
 TITLE: Acid Sequence of the Region Coding for  
 TITLE: the Carboxy-Terminal Two-Thirds of  
 TITLE: pp60c-src  
 JOURNAL: Molecular and Cellular Biology

VOLUME: 5  
 ISSUE: 5  
 PAGES: 1122-1129  
 DATE: May, 1985  
 PUBLICATION INFORMATION:  
 AUTHORS: Tanaka, Akio  
 AUTHORS: Gibbs, Carol P.  
 AUTHORS: Arthur, Richard R.  
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 AUTHORS: Kung, Hsing-Jien  
 AUTHORS: Fujita, Donald J.  
 TITLE: DNA Sequence Encoding the  
 TITLE: Amino-Terminal Region of the Human c-src  
 TITLE: Protein: Implications of Sequence  
 TITLE: Divergence among src-Type Kinase  
 TITLE: Oncogenes  
 JOURNAL: Molecular and Cellular Biology  
 VOLUME: 7  
 ISSUE: 5  
 PAGES: 1978-1983  
 DATE: May, 1987  
 PCT-US93-00445-4

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 Percent Similarity: 100.000 Percent Identity: 100.000

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501 cystprarglysglnproglunargprothrphelglutryleuinal 517
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seq\_documentation\_block:

Sequence 13, Application PC/TUS9505008

GENERAL INFORMATION:

APPLICANT: Sugen, Inc.

APPLICANT: 515 Galveston Drive

APPLICANT: Redwood City, California 94063-4720

APPLICANT: United States of America

APPLICANT: Wilsenschaften E.V.

APPLICANT: Holgarten Str. 2

APPLICANT: Munchen 80539

APPLICANT: Germany

TITLE OF INVENTION: Novel Megakaryocytic Protein Tyrosine

TITLE OF INVENTION: Kinases

NUMBER OF SEQUENCES: 21

CORRESPONDENCE ADDRESS:

ADDRESSEE: Pennie & Edmonds

STREET: 1155 Avenue of the Americas

CITY: New York

STATE: New York

COUNTRY: U.S.A.

ZIP: 10036

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US95/05008

FILING DATE: 24-Apr-1995

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/232,545

FILING DATE: 22-Apr-1994

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Coruzzi, Laura A.

REGISTRATION NUMBER: 30,742

REFERENCE/DOCKET NUMBER: 7683-074

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212)790-9090

TELEFAX: (212)869-9741

TELEX: 66141 PENNIE

INFORMATION FOR SEQ ID NO: 13:

SEQUENCE CHARACTERISTICS:

LENGTH: 536 amino acids

TYPE: amino acid

STRANDEDNESS: unknown

TOPOLOGY: unknown

MOLECULE TYPE: protein

PCT-US95-05008-13



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Sequence 2, Application US/07820011A
Patent No. 533615

GENERAL INFORMATION:
APPLICANT: Bell, Leonard
APPlicant: Madril, Joseph A.
Applicant: Warren, Stephen L.
Applicant: Lutheringer, Daniel J.
TITLE OF INVENTION: Genetically Engineered
TITLE OF INVENTION: Endothelial Cells Exhibiting Enhanced
TITLE OF INVENTION: Migration
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Maurice M. Klee
STREET: 1951 Burr Street
CITY: Fairfield
STATE: Connecticut
COUNTRY: USA
ZIP: 06430

COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 kb storage
COMPUTER: IBM PC XT
OPERATING SYSTEM: PC-DOS/MS-DOS 2.10
SOFTWARE: Displaywrite 3
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/820, 011A
FILING DATE: 19920106
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Klee, Maurice M.
REGISTRATION NUMBER: 30,399
REFERENCE/DOCKET NUMBER: LB-101
TELECOMMUNICATION INFORMATION:
TELEPHONE: (203) -255 1400
TELEFAX: (203) 254 1101
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 533 amino acids
TYPE: AMINO ACID
TOPOLOGY: Linear
MOLECULE TYPE: Protein
HYPOTHETICAL: NO
FRAGMENT TYPE: Complete Sequence
ORIGINAL SOURCE:
ORGANISM: Gallus, gallus
PUBLICATION INFORMATION:
AUTHORS: Takeya, Tatsuo
TITLES: Structure and Sequence of the
TITLES: Cellular Gene Homologous to the RSV src
TITLES: Gene and the Mechanism for Generating the
TITLES: Transforming Virus
JOURNAL: Cell
VOLUME: 32
PAGES: 881-890
DATE: March, 1983

US-07-820-011A-2

alignment_scores:
Quality: 2660.50      Length: 536
Ratio: 5.107          Gaps: 1
Percent Similarity: 97.201 Percent Identity: 93.843

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US-09-444-711-1 x US-07-820-011A-2 ..

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1 MegglySerSerlyssrLySProlysAsProsergLnArGARySse 17

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48	SerArgSerPheGlyThrValAlaThrGluProLysLeuPheGlyGlyPh	64
201	CAATCCCGGAGAACCGACCTCCCGCAGAGGGCGGGCCCGCGGGCGG	250
64	AsnThrSerAspThrValThrSerProGlnArgAlaGlyAlaLeuAlaG	81
251	GTGAGTAGACACCTTTGTGGCGCCCTATGACTAGATGATCGAGCGAG	300
81	LYGlyValThrThrPheAlaAlaLeuTyrAspTyrGlnSerArgThrGlu	97
301	ACAGACCTGTCTTCAAGAAAGCGAGCGGCTCCAGATTGTCAACAACAC	350
98	ThrAspSerPheLysGlyGluArgGlnGlnIleValAsnAsnThr	114
351	CGAGGAGACTGGTGGCTGGCGCCACTGCTCAGACAGACAGAAAGGT	400
114	TGluGlyAspTyrPheAlaHisSerLeuThrThrGlyGlnThrGlyT	131
131	YThrProSerAsnTyrValAlaProSerAspSerIleGlnAlaGluGlu	147
451	TGGTATTTTGGCAGATCACACAGAGGAGTCAGAGCGGTACTCTCAA	500
148	TrpArgPheGlyLysIleThrArgGlnSerGluArgLeuLeuLeuAs	164
501	TGCAGAAACCCGAGAGGAGCACTTCTGCTGTCGAGAAAGTAGACACGA	550
164	nProGlnAspProArgIleThrPheLeuValArgGlnSerGluThrThrL	181
551	AAAGTGGCTACTGGCTCGACGTGTCGACTCGAACAGCCAAAGGCGCTC	600
181	YsgIAlaTyrCysLeuSerValSerAspPheAspAlaIleGlyGlyLeu	197
601	AAAGTGAAGACTCAAGATCCGACACTGGACAGCGCGCTTCTACAT	650
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651	CACCTCCCGACCCAGTTCACACAGCGCTGCAGCAGCTGGTGCCCTACT	700
214	eThrSerArgThrGlnPheSerSerLeuGlnGlnIleValAlaTyrTyrS	231
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1051  GACTTCTCAAGGGGGGAGACAGGACGACATTCCTGGGGGCGCTCAGCTG 1100
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1101  GGACATGGGCTGCATGATCGCGCTCAGGATGGATGGCTACGTGGAGCGATGA 1156
364  lAspMetAlaIaGlnIleAlaSerGlyMetAlaIleTrhValGlnIuargMetA 381
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1201  CTGGGTGTGCAAAAGTGGCGGCACTTTGGGCTGGCTGGCTCATTTGAAGACA 1255
398  leuValCysIuysValAlaAspPheGlyLeuAlaIleuIleGlnIuAspAs 414
1251  TGAGTACACGGCGCGGACAGGTGCCAATTCGCCATCAAGTGGACGGCTC 1300
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ZIP: 06430  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 Inch, 760 kb storage  
COMPUTER: DELL 486/50  
OPERATING SYSTEM: DOS 5.0  
SOFTWARE: DisplayWrite 3  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US93/00445  
FILING DATE: 19930105  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/820,011  
FILING DATE: 06-JAN-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Klee, Maurice M.  
REGISTRATION NUMBER: 30,399  
REFERENCE/DOCKET NUMBER: ALX-101PCT  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (203) 255 1400  
TELEFAX: (203) 254 1101  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 533 amino acids  
TYPE: AMINO ACID  
TOPOLOGY: Linear  
MOLECULE TYPE: Protein  
HYPOTHETICAL: NO  
FRAGMENT TYPE: Complete Sequence  
ORIGINAL SOURCE:  
ORGANISM: Gallus, gallus  
PUBLICATION INFORMATION:  
AUTHORS: Takeya, Tatsuo  
AUTHORS: Hanafusa, Hidesaburo  
TITLE: Structure and Sequence of the  
TITLE: Cellular Gene Homologous to the RSV src  
TITLE: Gene and the Mechanism for Generating the  
JOURNAL: Cell  
VOLUME: 32  
PAGES: 881-890  
DATE: March, 1983  
PCT-US93-00445-2

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seq documentation block:
: Sequence 2, Application PC/TUS9300445
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: GENERAL INFORMATION:
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: APPLICANT: Bell, Leonard
: APPLICANT: Madril, Joseph A.
: APPLICANT: Warren, Stephen L.
: APPLICANT: Luthringer, Daniel J.
: TITLE OF INVENTION: Genetically Engineered
: TITLE OF INVENTION: Endothelial Cells
: NUMBER OF SEQUENCES: 4
:
: CORRESPONDENCE ADDRESS:
:
: ADDRESSEE: Maurice M. Klee
: STREET: 1951 Burr Street
: CITY: Fairfield
: STATE: Connecticut
: COUNTRY: USA

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seq\_documentation\_block:

Sequence 14, Application PC/TUS9505008

GENERAL INFORMATION:

APPLICANT: Sugen, Inc.

APPLICANT: 515 Galveston Drive

APPLICANT: Redwood City, California 94063-4720

APPLICANT: United States of America

APPLICANT: Wissenschaften E.V.

APPLICANT: Hofgarten Str. 2

APPLICANT: Munchen 80539

APPLICANT: Germany

TITLE OF INVENTION: Novel Megakaryocytic Protein Tyrosine

TITLE OF INVENTION: Kinases

NUMBER OF SEQUENCES: 21

CORRESPONDENCE ADDRESS:

ADDRESSEE: Pennie & Edmonds

STREET: 1155 Avenue of the Americas

CITY: New York

STATE: New York

COUNTRY: U.S.A.

ZIP: 10036

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US95/05008

FILING DATE: 24-APR-1995

CLASSIFICATION:

PRIOR APPLICATION DATA:



APPLICATION NUMBER: US 08/232,545  
FILING DATE: 22-APR-1994  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Cornuzi, Laura A.  
REGISTRATION NUMBER: 30,742  
REFERENCE/DOCKET NUMBER: 7683-074  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212)790-9090  
TELEFAX: (212)869-9741  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 14:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 543 amino acids  
TYPE: amino acid  
STRANDEDNESS: unknown  
TOPOLOGY: unknown  
MOLECULE TYPE: protein  
PC: 395-05008-14

## Alignment scores:

Quality: 2123.50 Length: 546  
Ratio: 4.480 Gaps: 4  
Percent Similarity: 86.813 Percent Identity: 74.542

## Alignment block:

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92  CTTTCCCGCCGTCGACAGCCCGCAGAGCCGCTGGCGGAGGCGCAC 141
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181  LePheLeuValArgGluSerGlnThrThrLysGlyAlaTyrSerLeuSer 197
571  GTGTCTACTCTGACAGCGCCAGGCTTCAAGTGAAGTCAAGTCAAGAT 620
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921  AGAGCTTCTGTCGAGAGCCCGCTCAGCAAGAAGCTGAGGATAGA 970
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398  ArgAlaAlaAsnIleLeuValGlyGluAsnLeuValCysLysIleAla 414
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28	182	11.3	194	6	PCT-US93-06251-72	Sequence 72, Appl
29	181.2	11.2	2505	1	US-08-391-615-1	Sequence 1, Appli
30	165	10.2	3546	1	US-08-162-809-9	Sequence 9, Appli
31	165	10.2	3591	1	US-08-162-809-13	Sequence 13, Appl
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33	162.6	10.1	2962	4	US-08-702-367A-10	Sequence 10, Appl
34	162.6	10.1	2962	6	PCT-US95-04681-10	Sequence 10, Appl
35	161	10.0	4049	1	US-08-162-809-17	Sequence 17, Appl
36	161	10.0	4097	1	US-08-162-809-11	Sequence 11, Appl
37	160.6	10.0	170	2	US-08-306-691B-29	Sequence 29, Appl
38	160.6	10.0	170	6	PCT-US93-06251-71	Sequence 71, Appl
39	160	9.9	165	2	US-08-306-691B-32	Sequence 32, Appl
40	160	9.9	165	6	PCT-US93-06251-74	Sequence 74, Appl
41	155.6	9.7	3416	3	US-08-357-642A-2	Sequence 2, Appli
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43	152	9.4	164	2	US-08-306-691B-28	Sequence 28, Appl
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45	151.6	9.4	3969	1	US-08-436-044-5	Sequence 5, Appli

ALIGNMENTS

RESULT 1  
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 ; Sequence 3, Application US/07820011A  
 ; Patent No. 5336615  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Bell, Leonard  
 ; APPLICANT: Madri, Joseph A.  
 ; APPLICANT: Warren, Stephen L.  
 ; APPLICANT: Guthringer, Daniel J.  
 ; TITLE OF INVENTION: Genetically Engineered  
 ; TITLE OF INVENTION: Endothelial Cells Exhibiting Enhanced  
 ; TITLE OF INVENTION: Migration  
 ; TITLE OF INVENTION: and Plasminogen Activator Activity  
 ; NUMBER OF SEQUENCES: 4  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Maurice M. Klee  
 ; STREET: 1951 Burr Street  
 ; CITY: Fairfield  
 ; STATE: Connecticut  
 ; COUNTRY: USA  
 ; ZIP: 06430  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: 5.25 inch, 360 Kb storage  
 ; COMPUTER: IBM PC XT  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS 2.10  
 ; SOFTWARE: Displaywrite 3  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/07/820,011A  
 ; FILING DATE: 19920106  
 ; CLASSIFICATION: 435  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Klee, Maurice M.  
 ; REGISTRATION NUMBER: 30,399  
 ; REFERENCE/DOCKET NUMBER: LB-101  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (203) 255 1400  
 ; TELEFAX: (203) 254 1101  
 ; INFORMATION FOR SEQ ID NO: 3:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 1611  
 ; TYPE: NUCLEIC ACID  
 ; STRANDEDNESS: Double  
 ; TOPOLOGY: Linear  
 ; MOLECULE TYPE: cDNA to mRNA  
 ; HYPOTHETICAL: No  
 ; ANTI-SENSE: No  
 ; ORIGINAL SOURCE:  
 ; ORGANISM: Homo sapien  
 ; POSITION IN GENOME:



521

us-09-444

Tue Jan 2 15:20:36 2001

Db 1561 GACTACTTCACGTCCACCGAGCCCCAGTACCAGCCCGGGGAGAACCTCTAG 1611

27	26	1.6	26	4	US-08-859-998-999	Sequence 999, App
28	26	1.6	4465	1	US-08-180-195-1	Sequence 1, Appli
29	26	1.6	4465	2	US-08-477-329-1	Sequence 1, Appli
30	26	1.6	4465	3	US-08-475-458-1	Sequence 1, Appli
31	26	1.6	4465	5	US-08-980-400-1	Sequence 1, Appli
32	26	1.6	5427	1	US-08-168-917-1	Sequence 1, Appli
33	26	1.6	5427	3	US-08-460-510-1	Sequence 1, Appli
34	26	1.6	5427	3	US-08-460-490-1	Sequence 1, Appli
35	26	1.6	5427	5	US-08-462-728-3	Sequence 3, Appli
36	26	1.6	5427	6	PCT-US92-00730-1	Sequence 1, Appli
37	26	1.6	5427	6	PCT-US92-00862-1	Sequence 1, Appli
c 38	25	1.6	25	4	US-08-859-998-1000	Sequence 1000, Ap
39	25	1.6	2505	1	US-08-391-615-1	Sequence 1, Appli
40	20	1.2	1491	4	US-09-006-675-1	Sequence 1, Appli
41	20	1.2	2647	6	PCT-US93-06251-77	Sequence 77, Appl
42	19	1.2	159	3	US-08-469-537A-15	Sequence 15, Appl
43	19	1.2	2463	1	US-08-339-578-1	Sequence 1, Appli
44	18	1.1	1218	1	US-08-351-473B-6	Sequence 6, Appli
45	18	1.1	1506	5	US-09-176-657-5	Sequence 5, Appli

## ALIGNMENTS

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RESULT 1
US-07-820-011A-3
; Sequence 3, Application US/07820011A
; Patent No. 5336615
; GENERAL INFORMATION:
;   APPLICANT: Bell, Leonard
;   APPLICANT: Madri, Joseph A.
;   APPLICANT: Warren, Stephen L.
;   APPLICANT: Luthringer, Daniel J.
;   TITLE OF INVENTION: Genetically Engineered
;   TITLE OF INVENTION: Endothelial Cells Exhibiting Enhanced
;   TITLE OF INVENTION: Migration
;   TITLE OF INVENTION: and Plasminogen Activator Activity
;   NUMBER OF SEQUENCES: 4
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Maurice M. Klee
;     STREET: 1951 Burr Street
;     CITY: Fairfield
;     STATE: Connecticut
;     COUNTRY: USA
;     ZIP: 06430
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: 5.25 inch, 360 Kb storage
;     COMPUTER: IBM PC XT
;     OPERATING SYSTEM: PC-DOS/MS-DOS 2.10
;     SOFTWARE: Displaywrite 3
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/07/820,011A
;     FILING DATE: 19920106
;     CLASSIFICATION: 435
;   ATTORNEY/AGENT INFORMATION:
;     NAME: Klee, Maurice M.
;     REGISTRATION NUMBER: 30,399
;     REFERENCE/DOCKET NUMBER: LB-101
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE: (203) 255 1400
;     TELEFAX: (203) 254 1101
;   INFORMATION FOR SEQ ID NO: 3:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH: 1611
;       TYPE: NUCLEIC ACID
;       STRANDEDNESS: Double
;       TOPOLOGY: Linear
;     MOLECULE TYPE: cdna to mRNA
;     HYPOTHETICAL: No
;     ANTI-SENSE: No
;     ORIGINAL SOURCE:
;       ORGANISM: Homo sapien
;     POSITION IN GENOME:

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CHROMOSOME/SEGMENT: Chromosome 20  
PUBLICATION INFORMATION:  
AUTHORS: Anderson, Stephen K.  
AUTHORS: Glibbs, Carol P.  
AUTHORS: Tanaka, Akio  
AUTHORS: Kung, Hsing-jien  
AUTHORS: Fujita, Donald J.  
TITLE: Human Cellular src Gene:  
TITLE: Nucleotide Sequence and Derived Amino  
TITLE: Acid Sequence of the Region Coding for  
TITLE: the Carboxy-Terminal Two-Thirds of  
JOURNAL: Molecular and Cellular Biology  
VOLUME: 5  
ISSUE: 5  
PAGES: 1122-1129  
DATE: May, 1985  
PUBLICATION INFORMATION:  
AUTHORS: Tanaka, Akio  
AUTHORS: Glibbs, Carol P.  
AUTHORS: Arthur, Richard R.  
AUTHORS: Anderson, Stephen K.  
AUTHORS: Kung, Hsing-jien  
AUTHORS: Fujita, Donald J.  
TITLE: DNA Sequence Encoding the  
TITLE: Amino-Terminal Region of the Human c-src  
TITLE: Protein: Implications of Sequence  
TITLE: Divergence among src-Type Kinase  
Oncogenes  
JOURNAL: Molecular and Cellular Biology  
VOLUME: 7  
ISSUE: 5  
PAGES: 1978-1983  
DATE: May, 1987  
OS-07-820-011A-3

Query Match	96.88;	Score 1560;	DB 1;	Length 1611;
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Tue Jan 2 15:20:33 2001

us-09-444-711-

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RESULT 2

Page 1



Tue Jan 2 15:20:34 2001

us-09-444

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Copyright (c) 1993 - 2000 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: December 30, 2000, 07:48:21 ; Search time 62.09 seconds  
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3924.130 Million cell updates/sec

Title: US-09-444-711-1

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Scoring table: IDENTITY\_NUC  
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Shaded: 262060 seqs, 75620496 residues

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents\_NA.\*

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4: /cgn2\_6/ptodata/2/1na/5D.COMB.seq:\*  
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7: /cgn2\_6/ptodata/2/1na/Backfillseq1.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result	Score	Query Match	Length	DB ID	Description
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5	710.2	44.1	4517	6	PCT-US93-06251-83 Sequence 83, Appl1
6	689.4	42.8	2647	6	PCT-US93-06251-77 Sequence 77, Appl1
7	539.8	33.5	1804	6	US-08-306-691B-40 Sequence 40, Appl1
8	539.8	33.5	1804	6	PCT-US93-06251-82 Sequence 82, Appl1
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10	346.2	21.5	1574	5	US-09-173-581-12 Sequence 12, Appl1
11	341.6	21.2	780	4	US-09-006-675-7 Sequence 7, Appl1
12	284	17.6	2770	6	PCT-US95-05008-5 Sequence 5, Appl1
13	284	17.6	7607	1	US-08-222-616-19 Sequence 19, Appl1
14	284	17.6	7607	6	PCT-US95-04228-19 Sequence 19, Appl1
15	252	15.6	271	2	US-08-306-691B-24 Sequence 24, Appl1
16	252	15.6	271	6	PCT-US93-06251-66 Sequence 66, Appl1
17	249.6	15.5	3623	2	US-08-306-691B-35 Sequence 35, Appl1
18	212.4	13.2	1398	3	US-08-604-989A-9 Sequence 9, Appl1
19	212.4	13.2	1521	3	US-08-604-989A-10 Sequence 10, Appl1
20	212.4	13.2	1942	3	US-08-604-989A-11 Sequence 11, Appl1
21	212.4	13.2	2000	6	PCT-US95-05008-1 Sequence 1, Appl1
22	210.8	13.1	255	2	US-08-306-691B-34 Sequence 34, Appl1
23	210.8	13.1	255	6	PCT-US93-06251-76 Sequence 76, Appl1
24	207.6	12.9	738	3	US-08-604-989A-8 Sequence 8, Appl1
25	207.6	12.9	2500	6	PCT-US95-05008-3 Sequence 3, Appl1
26	200	12.4	1987	4	US-08-876-882-1 Sequence 1, Appl1

27	182	11.3	194	2	US-08-306-691B-30 Sequence 30, Appl1
28	182	11.3	194	6	PCT-US93-06251-72 Sequence 72, Appl1
29	181.2	11.2	2505	1	US-08-391-615-1 Sequence 1, Appl1
30	165	10.2	3546	1	US-08-162-809-9 Sequence 9, Appl1
31	165	10.2	3591	1	US-08-162-809-13 Sequence 13, Appl1
32	162.6	10.1	2962	4	US-08-449-645A-10 Sequence 10, Appl1
33	162.6	10.1	2962	6	PCT-US93-06251-10 Sequence 10, Appl1
34	162.6	10.1	2962	6	PCT-US93-04681-10 Sequence 10, Appl1
35	161	10.0	4049	1	US-08-162-809-17 Sequence 17, Appl1
36	161	10.0	4097	1	US-08-162-809-11 Sequence 11, Appl1
37	160.6	10.0	170	2	US-08-306-691B-29 Sequence 29, Appl1
38	160.6	10.0	170	6	PCT-US93-06251-71 Sequence 71, Appl1
39	160	9.9	165	2	US-08-306-691B-32 Sequence 32, Appl1
40	160	9.9	165	6	PCT-US93-06251-74 Sequence 74, Appl1
41	155.6	9.7	3416	3	US-08-357-642A-2 Sequence 2, Appl1
42	155.6	9.7	3416	3	US-08-460-626-2 Sequence 2, Appl1
43	152	9.4	164	2	US-08-306-691B-28 Sequence 28, Appl1
44	152	9.4	164	6	PCT-US93-06251-70 Sequence 70, Appl1
45	151.6	9.4	3969	1	US-08-436-044-5 Sequence 5, Appl1

#### ALIGNMENTS

RESULT 1  
US-07-820-011A-3  
Sequence 3, Application US/07820011A  
Patent No. 5336615  
GENERAL INFORMATION:  
APPLICANT: Bell, Leonard  
APPLICANT: Madril, Joseph A.  
APPLICANT: Matren, Stephen L.  
APPLICANT: Irlinger, Daniel J.  
TITLE OF INVENTION: Genetically Engineered  
TITLE OF INVENTION: Endothelial Cells Exhibiting Enhanced  
TITLE OF INVENTION: Migration  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Maurice M. Klee  
STREET: 1951 Burr Street  
CITY: Fairfield  
STATE: Connecticut  
COUNTRY: USA  
ZIP: 06430  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb storage  
COMPUTER: IBM PC XT  
OPERATING SYSTEM: PC-DOS/MS-DOS 2.1.10  
SOFTWARE: Displaywrite 3  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/820, 011A  
FILING DATE: 19920106  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Klee, Maurice M.  
REGISTRATION NUMBER: 30,399  
REFERENCE/DOCKET NUMBER: LB-101  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (203) 255 1400  
TELEFAX: (203) 254 1101  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1611  
TYPE: NUCLEIC ACID  
STRANDNESS: DOUBLE  
TOPOLOGY: Linear  
MOLECULE TYPE: CDNA to mRNA  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Homo sapien  
POSITION IN GENOME:







[illegible]

RESULT 3  
US-07-820-011A-1  
Sequence 1, Application US/07820011A  
Patent No. 5336615  
GENERAL INFORMATION:  
APPLICANT: Bell, Leonard  
APPLICANT: Madrid, Joseph A.  
APPLICANT: Warren, Stephen L.  
APPLICANT: Luthringer, Daniel J.  
TITLE OF INVENTION: Genetically Engineered  
TITLE OF INVENTION: Endothelial Cells Exhibiting Enhanced  
TITLE OF INVENTION: Migration  
TITLE OF INVENTION: And Plasmidogen Activator Activity.  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Maurice M. Klee

[illegible]

QY 361 tgggtgctggccacatgctcagcagcagagagctacatcccaagcaactctg 420  
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DB 352 TGGTGGCTGGCTCAATTCCTCTACTACAGGACAGGAGGCTACATCCCAAGTAACTATGTC 411  
QY 421 ggcgcctcgcacatccatccagcctgagagctgtaatttggcaagaatcaccaagcagggag 480  
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DB 412 GCGGCTCAGACTCCTCATCAGGCTGAAGAGTGTACTTTGGGAATATCATCTGTGGGGAG 471  
QY 481 tcagagcggttactgctcaatgacagaaaccgagagggacctctcgtgagaaagt 540  
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DB 472 TCCGAGGCGGCTGCTGCTCAACCCCGAAAAACCCCGGGGAGACCTTGTGGTCCGGAGAGAC 531  
QY 541 gaagaccagaaagtgctactgctcctcagtgctgactgctcgaagaagccagggctc 600  
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DB 532 GAGACGAGCAAAAGGTCCTATTCCTCTCCCTTCTGACTTTGACAAAGCCCAAGGGGCTC 591  
QY 601 aagctgaagcactacaagatccgcaagctgagcagcggcgtctacatccatccctccgc 660  
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DB 592 AATGTGAAGCCTACAGATCCGCAAGCTGAGAGCGGCGCTTACATCACTCAGC 651  
QY 661 acccagttcaacagcctgagcagcctggtggtcctactactccaaacagcggatgctg 720  
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DB 652 ACAAGTTACAGAGCTGACAGAGCTGGTGGCTACTACTCCAAACATGCTGATGGCTG 711  
QY 721 tgcacacgcctcaccacacgctgtgcccacgctccaaagccgcaagctcagggcctgccaag 780  
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DB 712 TGGCACCCTGAGCAAGCTGCTGCCCCAGCTCAAGCCCAAGGAGGAGTCCCTCCAG 771  
QY 781 gatgcctgggagatccctcggagtgctgctgagtgctgagtgctgagtgctgagtgctg 840  
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DB 772 GACCGGTGGGAATCCCGGGAGTCCCTGCGCTGAGAGTGAACCTGGAGGAGGCTGTC 831  
QY 841 ttggcaggtgtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgag 900  
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DB 832 TTGAGAGAGTCTGAGTGGGAGACCTGGAAGGACCAACAGATGGCCATAAGACTG 891  
QY 901 aagcctgagcagatgctcagagagcctcctcagagagggccagtgatgaagaagctg 960  
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DB 892 AAGCCCGGCAATGTCCTCCGAGGCTTCTGAGAGGAGGAGGAGTGAAGAGCTC 951  
QY 961 aggagtagaagagctggtgagtgatgtgtgttcaagagagccatctactctgctc 1020  
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DB 952 CGGCATAGAGCTGTTACCTGACAGTGTGAGTGTGAGGAGCCATCACTACATCGTC 1011  
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DB 1012 ACTGAGTACATGAGCAAGGAGGAGCTCTGATTTCTGAAAGGAGAGATGGGCAAGTAC 1071  
QY 1081 ctgagctgctcagctgtgtgagatggtgctcagatcgctcagagcagtgagtgagtg 1140  
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DB 1072 CTGGGGCTGCCACAGCTCGTGAATATGCTGCTGATTTGATTCGGGATGGCCATATG 1131  
QY 1141 gaggcagatgaactacgtccaccgagagcctcgtgacgcaacaatcctgtgtggagagag 1200  
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DB 1132 GAGAGGATGAGTACGTGACAGGAGAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1191  
QY 1201 ctggtgtgcaaaagtgagcagctgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 1260  
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DB 1192 CTGGTGTGCAAGGTGCTGATTTGGGCTGGAGCCCTCATCGAGAGACAGATACCA 1251  
QY 1261 ggcgagcagagtgccaatcccaatcaagtgagagtgagcagagtgagcagtgagtgag 1320  
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DB 1252 GCACGGCAAGGTGCAAGTTCCTCATCAAGTGAAGAGGAGGAGGAGGAGGAGGAGGAGG 1311  
QY 1321 cggctcaccatcaagtgagagtggtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 1380  
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DB 1312 CGGTTACACATCAAGTGGATGTGCTGCTTGGCATCTGCTGATGAGTGAAGTGAAGCC 1371  
QY 1381 aagagcagagtggtgctcactcagtgagtgagtgagtgagtgagtgagtgagtgagtg 1440  
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DB 1372 AAGGGCGGGGTCCATACCAAGGAGTGTCAACAGGAGGAGGAGTGTGAGGAGGAGGAGG 1431

QY 1441 ggtacagagatccctgcccgcggagtggtcccgagtgccctgacagacatgtgtccag 1500  
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DB 1432 GGGTACCGGATCCCTGGCCGGCCGAGTGGCCGAGTGGCTGATGATGATGATGATGATG 1491  
QY 1501 tgcgtcgagagagcctgagagcggcggcggcggcggcggcggcggcggcggcggcgg 1560  
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DB 1492 TGGTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1551  
QY 1561 gactacttcagctcaccagagcggcggcggcggcggcggcggcggcggcggcggcgg 1611  
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DB 1552 GACTACTTCACCTCGACAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1602

## RESULT 4

PCT-US93-00445-1

Sequence 1, Application PC/TUS9300445

## GENERAL INFORMATION:

APPLICANT: Bell, Leonard

APPLICANT: Madri, Joseph A.

APPLICANT: Warren, Stephen L.

APPLICANT: Luthinger, Daniel J.

TITLE OF INVENTION: Genetically Engineered

TITLE OF INVENTION: Endothelial Cells

NUMBER OF SEQUENCES: 4

CORRESPONDENCE ADDRESS:

ADDRESSEE: Maurice M. Klee

STREET: 1951 Burr Street

CITY: Fairfield

STATE: Connecticut

COUNTRY: USA

ZIP: 06430

## COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 760 Kb storage

COMPUTER: DELL 486/50

OPERATING SYSTEM: DOS 5.0

SOFTWARE: Displaywrite 3

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US93/00445

FILING DATE: 19930105

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/820,011

FILING DATE: 06-JAN-1992

ATTORNEY/AGENT INFORMATION:

NAME: Klee, Maurice M.

REGISTRATION NUMBER: 30,399

REFERENCE/DOCKET NUMBER: ALX-101PCT

TELECOMMUNICATION INFORMATION:

TELEPHONE: (203) 255 1400

TELEFAX: (203) 254 1101

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 1602 base pairs

TYPE: NUCLEIC ACID

STRANDEDNESS: Double

TOPOLOGY: Linear

MOLECULE TYPE: cDNA to mRNA

HYPOTHETICAL: NO

ANTI-SENSE: NO

ORIGINAL SOURCE:

ORGANISM: Gallus, gallus

PUBLICATION INFORMATION:

AUTHORS: Takeya, Tatsuo

AUTHORS: Hanafusa, Hidesaburo

TITLE: Structure and Sequence of the

TITLE: Cellular Gene Homologous to the RSV SRC

TITLE: Gene and the Mechanism for Generating the

JOURNAL: Cell

VOLUME: 32

PAGES: 881-890

DATE: March, 1983

PCT-US93-00445-1

Query Match 75.5%; Score 1216.6; DB 6; Length 1602;  
 Best Local Similarity 85.2%; Pred. No. 1.1e-238;  
 Matches 1373; Conservative 0; Mismatches 229; Indels 9; Gaps 1;

QY 1 atgggtgacaaagaagaagcccaagatgccagcagcgcgacgacgcttgagccc 60  
 DB 1 ATGGGTGACAAAGAAGAGCCCAAGAGCCCAAGCGCGCGCGCTTGAGGCCA 60  
 QY 61 gccgagacgctgacgagcgcgcgcgcttcccgctcgagaccccgcaag 120  
 DB 61 CCCGAGACGACCCACAC-----GGGGATTCCAGCTCCAGACCCCAACAA 111  
 QY 121 ccagcctcgcgacgagcgcgcgcccgcgcgcttcgcccgcgcgcgcgag 180  
 DB 112 ACAGCAGCGCCCGACACGACCGACCCCGCTCTTGAGACCGTGGCCACAG 171  
 QY 181 ccaagcgtgttcgagaggttcaactcctcgagacacgctcaccgcaagagcg 240  
 DB 172 CCCAAGCTCTTGGGGGCTTCAACACTTCTGACACGTTAGCTGCGCGAGCGGG 231  
 QY 241 ccgctgacgagtgagtgacacaccttgctgcccctatgatagagctgagag 300  
 DB 232 GCACTGGCTGGCGGCGTACCACTTCTGCTCTACGACTACGAGTCCCGGACTGA 291  
 QY 301 acagacgtgtcctcaagaagaagcgagcgctcagattgtcaacaacagagag 360  
 DB 292 ACGGACTTGTCTTCAAGAAAGAGAGACGCTCGAGATTGTCAACACGGAAGTGC 351  
 QY 361 tgggtgctgagcctcgcctcagcagagacagagctacatcccgcaactg 420  
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 QY 421 ggcgcctcgagctcctcagcagctgagagtgatatttgcaagatcaacagag 480  
 DB 412 GCGCCCTACAGCTCCATCAGGCTGAAGAGTGTGTTGGAAATCACTGTGGGAG 471  
 QY 481 tcagagcggttactgactaagcagagacccgagagagcttcctcgtagagaa 540  
 DB 472 TCCGAGCGCTGCTGCTACACCCCGAAACCCCGGGAACTTCTGTGGTGGGAGAC 531  
 QY 541 gagacacgaaggtgctcactgctcctcagtgctcagctcagacagcgacg 600  
 DB 532 GAGACGACAAAGGTGCTATTGCTTCGTTTGAATTGACACGCAAGGGGCTC 591  
 QY 601 aagctgaagcctcagacagctcagcagctgagcagcgcgcttcaatccctc 660  
 DB 592 AATGTGAAGCTACAAATCCGCAAGCTGACACGCGGCTTCTACATCACTCACGC 651  
 QY 651 acccaattcaacagcctcagcagagctgtgctcactactcaaacagcgagct 720  
 DB 652 ACACAGTTCACAGCTCAGAGCTGGGGCTACTACTCAACATCTATGCTTG 711  
 QY 721 tgcacacgctcagcagcagctgtgcccagctcagcagcgagcagcagcg 780  
 DB 712 TGGCAGCGCTGACCAAGCTGCGCCCAAGCTCAAGCCCAAGGAGATCGCAAG 771  
 QY 781 gatcctgagagatcctcctcgagtgctgctgagctgagagctgagcgagct 840  
 DB 772 GACCGTGGGAAATCCCGGGAGTTCGCTGCGCTGAGAGTGAAGCTGGGAGGCTGC 831  
 QY 841 ttggcgagtggtgagtgagagcctcgagaggttaccagaggttgccataaac 900  
 DB 832 TTTGGAGAGTCTGGATGGGAGCTGGAACGGCACCAAGAGTGGCCCTAAAGACTG 891  
 QY 901 aagcctgacagatgtctcagagcgcttcctcgagagagcgccagctcagagag 960  
 DB 892 AAGCCCGGCAACATCTCCCGGAGGCTTCTGCGAGAGGCCCAAGTATGAAGAGCTC 951  
 QY 961 aggcattgagagctggtgacagtgatgctgtgtttcagagagagccattacat 1020  
 DB 952 CGGCATGAGAGCTGTACGTACGCAAGTGTGTGGAAGAGCCATCTACATCGTC 1011

QY 1021 acgagatcatagcaagggaggttgctgagcttctcaaggggagcaagcagat 1080  
 DB 1012 ACTGAGTACATAGAGAGGAGGAGCTGCTGATTTCTTAAGGAGAGATGGCAAGTAC 1071  
 QY 1081 ctgagctgctcagctggtgacatgctgctcagatcgctcagagcagtgctg 1140  
 DB 1072 CTGCGCTGCGCACACTCTCTCATATGCTGCTGCAATGCAATGCAATGCGCATG 1131  
 QY 1141 gagcgatgaactagctcagcagcgaccttgctgagcgaactcctgttgagaga 1200  
 DB 1132 GAGAGATGAATACGTGACCGAGACTCGCGGCGCCAACTCTGTGGGGAGAAC 1191  
 QY 1201 ctgtgtgcaaggtgacgacttgctgctgctgctcagctcattgaagaagatga 1260  
 DB 1192 CTGAGTGAAGTGGCTACCTTGGGCGTGGCAGCGCTCATGAGAGCAACAGATACA 1251  
 QY 1261 gcgagcagagtgcaaatcccatcaagtgagagctccagagctgctctatgc 1320  
 DB 1252 GCAGGCAAGGTGCCAAGTTCCTCCATCAAGTGAAGACGCCCGAGGACGCTCTATG 1311  
 QY 1321 cgttcaacataagctgagagtggtgtcttcgagatcctgctgagctgagcaca 1380  
 DB 1312 CGTTACCATCAAGTGGAGTGTGTGCTTCTGCGCATCTGCTGCTGACTGACCAAC 1371  
 QY 1381 aagggacggtgctcctacacctgagatgtaacgcgagagtgctgagcagtgag 1440  
 DB 1372 AAGGCGCGGCTGCATTAACCGAGATGCTCAACAGGAGAGTGTGACCAAGTGAAG 1431  
 QY 1441 ggtacacgagctcctgcccgcgagtgctccagagctcctgacagacatgtg 1500  
 DB 1432 GGTACCGCATGCTCCCTGCGCGCGGAGTGCCTCGATGATCACTCATATGCTCAG 1491  
 QY 1501 tctgtgagagagagctgagagcgagcgccacacttgagtaactgagagcttc 1560  
 DB 1492 TCTGTGGAGGAGGACCTTAGAGCGGCCACTTGTGAGTACCTGAGGCTTCTGAG 1511  
 QY 1561 gactactcaagtcacacgagcccgatcacagcccgagagagactctag 1611  
 DB 1552 GACTACTTACCTTCAGACAGGCCCAAGTACAGCCTTGAGAGAACTATAG 1602

RESULT 5  
 PCT-US93-06251-83  
 Sequence 83, Application PC/TUS9306251  
 GENERAL INFORMATION:  
 APPLICANT: Wickstrom, Eric and Rife, Jason P.  
 TITLE OF INVENTION: Trivalent Synthesis of Oligonucleotides Containing  
 NUMBER OF SEQUENCES: 93  
 CORRESPONDENCE ADDRESS:  
 ADDRESSER: SCULLY, SCOTT, MURPHY & PRESSER  
 STREET: 400 Garden City Plaza  
 CITY: Garden City  
 STATE: NY  
 COUNTRY: USA  
 ZIP: 11530  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: PCT/US93/06251  
 FILING DATE: 19930630  
 CLASSIFICATION:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Digilio, Frank S.  
 REGISTRATION NUMBER: 31,346  
 REFERENCE/DOCKET NUMBER: 8586  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 516-742-4343  
 TELEFAX: 516-742-4366

```

?       TELEX: 230 901 SANS UR
?
?       INFORMATION FOR SEQ ID NO: 83
?
?       SEQUENCE CHARACTERISTICS:
?
?         LENGTH: 4517 base pairs
?         TYPE: nucleic acid
?         STRANDEDNESS: double
?         TOPOLOGY: linear
?
?       MOLECULE TYPE: DNA (genomic)
?
PCT-US93-06251-83

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Query Match	Similarity	44.1%	Score 710.2	DB 6	Length 4517
Best Local	Similarity 70.1%	Pred. No. 6.8e-136			
Matches 953	Conservative	0	Mismatches 408	Indels	Gaps
QY 248	ccggtgagatgagccacccttctgtgcgcctctatgacatagtacgttagagagagacagacc	307			
D 476	CAGGGGGGCTACATATTTGTGGCCTTATGATTTATACCTAGAACTACAGAAAGAC	535			
QY 308	tgctctcaagaagaagcgagacggtccagattgtcaacaacacgagagagactgtgtgc	367			
Db 536	TTTTCAATTAAGAAAGGGGTGAAGAATTTCAATTAATTAACAATCGGAAGAGATTGGTGGG	595			
QY 368	tggtccactcgtcagcacagagacagacagctacatcccccaactcgtgtgcgcct	427			
Db 596	AAGCAAGATCAATCCCTACAGGAAGAAAGTTATCCCGACATTTATGAGCCCTG	655			
QY 428	ccgactccatccagagctgtgaggtgtatttggcagaagatcaacagagggagtcagagc	487			
Db 656	CAGATTTCATTCAGGACGAAGAATGGTATTTGGCAAAATGGGGAAAGATGCTGAAA	715			
QY 488	ggttactcgtcaatgcagagaaacccgagagggagaccttcctcgtgcgagaaagtgtgagaca	547			
Db 716	GATTTCCTTTGAAATCCTCGAAATCAACGAGGATTTTCTTAGTAAGAGAGCGAACA	775			
QY 548	cgaaaggtgtcctactgtcctcctcagtgctcgtacttcgacaacgcgaagggcctcaagtga	607			
Db 776	CTAAAGGAGCTATTTCCCTTCTTATTCGATGGATGATGATGAAGGGGAGCAATGTGA	835			
QY 608	agcactacaagatccgcaagctgtgacagcgcggtcttaccatcactccgcgaaccagt	667			
Db 836	AACACTACAAATTTGGGAACCTTGACAAAGGTGGATCTATATCAACACGAGCAAT	895			
QY 668	tcaaaagctgtgagagcagcgtgtgtgcttacttcaaaacacgcaggtgtgcgtgtgacac	727			
Db 896	TTGATACCTGTGAGAAATGGTGTGAACACTACACAGAACCTGCTGATGGTTATGGCA	955			
QY 728	gctccacacacgctgtgtcccccacgctccaaacgcgagacacagggcctgtgcgaagatgct	787			
Db 956	AGTGAACAATGTGTGTCCAACTGTGTAACCTCAGACTCAAGGTCAGCAAAAGATGCTT	1015			
QY 788	ggagagatccctcgtgagatcgtcgtgcgtgtgaggttcaagctgtggcagggcgtgtgtggcg	847			
Db 1016	GGGAATCCCTCGAGAAATCTTTGCGACTAGAGGTTAACTAGGACAAAGATGTTTGGCG	1075			
QY 848	aggtgtgtgagtggtggagacctgtgaaagcgttaacacacgggtgtgcatacaaaacctgtgaacgtg	907			
Db 1076	AAGTGTGGATGGGAATGGAATGGAAACCAAGAAATGCAATCAAAACCTTAATTAACACAG	1135			
QY 908	gacagatgtctccagagggccttcctccagagagggccaggtcatgaaagaaagtgtgaagcatg	967			
Db 1136	GTACATATGTCGCCAGAAAGCTTTCTTCAAGAACTCAGATATGAAAAATTAAGACATG	1195			
QY 968	agaagctgtgtcagttgttatgtctgtgttttccagagagggaccatltacatcgttcagggagt	1027			
Db 1196	ATAAATCTTTCACATATATGCTGTGTCTTCTGAAGAACCAATTTACATGTCAACGAAT	1255			
QY 1028	acatgagcaagaggaggttgtgtgaccttctcaagggggagacaggaagttactcgtgcgc	1087			
Db 1256	TTATGTCAAAAGGAACCTTATTGATTTCTTTAAGGAAGAGATGGAAATTTATTGAGAC	1315			
QY 1088	tgctcctcagctgtgtgacatcgtcgtctcagatcgcctcaggaatggtcgtacgtgtgagggga	1147			

Db	1316	TTCCACAGCTGGTATGATATGGCTCTCAGANTGCTGATGATGGCATATATTGAAGAA	1375
Qy	1148	tgaactacgtccacccggagaccttcgtgcagcccaacatccctggtgaggagaaactggtgt	1207
Db	1376	TGAAGTATATTCACCCGAGATTTTGGGGCTGGTAAATATCTTGAGGAATAATCTTGCT	1435
Qy	1208	gcaaatgtgcgcgaacttbggtggtcgctcggtccattgaagaacaatgagatcacagcgcgcc	1267
Db	1436	GCAAAATAGCAGACTTTGGTTAGCAGGTTAATTTGAAGAACAATGAATACAGACAAGAC	1495
Qy	1268	aaggtgccaaatcccccataagttgacggtctcagaagctgtccctctatgtccgttca	1327
Db	1496	AAGGTGCMAATTTTCCATCAATCAATGAGACGCTCCTGGAAGCTGACTGATATGGTGTTA	1555
Qy	1328	ccataagctggaagctgtggtccctcggaatcccgctcactgagctcaccaacaaggagac	1387
Db	1556	CAATTAAGTCTGATGTCTGGTCATTTGGAAATTTCGCAACAAGAACTAGTAAACAAGGCC	1615
Qy	1388	gggtgacctacccttggatgtgtgaacccgagagtgctgagccaaagttggacggygctacc	1447
Db	1616	GAGTGCCATATCCAGAGTATGTTGTAACCTGTGAATCTAAGTAAACAAGTGGAGGAGATGCA	1575
Qy	1448	ggaibcccttcgcgcgcggagtgctcccgagctccctgcgaagactatgtgycagtgctgac	1507
Db	1676	GGATGCCCTGCCCTCAGGGCTGTCCAGAAATCCCTTCAGATTTGATGAATCTGTGTGGA	1735
Qy	1508	ggaagagactgtgagagcggtccacacttcgaatactactgcaagctcttcctggagaaactac	1567
Db	1736	AGAGAGACCTTGATGAAGAACCAACATTTGATATATTCAGTCCCTTCTTGGAGAAGCTACT	1795
Qy	1568	tcaagtcacacgaagccccaatracacagcccgcggggagaaacttca	1610
Db	1796	TCACGTCTACAGAGCCACAGTACCAAGCCACAGAGAAATTTTATA	1838

RESULT 6  
 PCT-US93-06251-77  
 ; Sequence 77, Application PC/TUS9306251  
 ; GENERAL INFORMATION:  
 APPLICANT: Wickstrom, Eric and Rife, Jason P.  
 TITLE OF INVENTION: Trivalent Synthesis of Oligonucleotides Containing  
 TITLE OF INVENTION: Stereospecific Alkylphosphonates and Arylphosphonates  
 NUMBER OF SEQUENCES: 93  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER  
 STREET: 400 Garden City Plaza  
 CITY: Garden City  
 STATE: NY  
 COUNTRY: USA  
 ZIP: 11530  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentln Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: PCT/US93/06251  
 FILING DATE: 19930630  
 CLASSIFICATION:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: DIGILLO, Frank S.  
 REGISTRATION NUMBER: 31,346  
 REFERENCE/DOCKET NUMBER: 8586  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 516-742-4343  
 TELEFAX: 516-742-4366  
 TELEX: 230 901 SANS UR  
 INFORMATION FOR SEQ ID NO: 77:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 2647 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)  
PCT-US93-06251-77

Query Match 42.8%; Score 689.4; DB 6; Length 2647;  
Best Local Similarity 69.6%; Pred. No. 1e-131;  
Matches 952; Conservative 0; Mismatches 406; Indels 9; Gaps 1;

QY 253 ggaagaccacattgtgacctatgactatgactagacgagacacactgtcc 312  
DB 826 ggaagaccacattgtgacctatgactatgactagacgagacacactgtcc 885  
QY 313 ttcaagaagcgagcgagctccagatttcaacaacgagagagagctgtgtgc 372  
DB 886 ttcaagaagcgagcgagctccagatttcaacaacgagagagagctgtgtgc 945  
QY 373 cactgcctcagacagacagacagacacacacacacacacacacacacacac 432  
DB 946 cactgcctcagacagacagacagacacacacacacacacacacacacacac 1005  
QY 433 tccatcagagctgagagctgtgatttggcaagatcaccagacgagagctga 492  
DB 006 tccatcagagctgagagctgtgatttggcaagatcaccagacgagagctga 1065  
QY 493 ctgctcaatcagagagacacacgagagacacacacacacacacacacacac 552  
DB 1066 ctgctcaatcagagagacacacgagagacacacacacacacacacacacac 1125  
QY 553 ggtgcctcagctcctcagctcagctcagctcagctcagctcagctcagctc 612  
DB 1126 ggtgcctcagctcctcagctcagctcagctcagctcagctcagctcagctc 1185  
QY 613 tacaagaatccgcaagctgagacgagcgctctcaccacacacacacacacac 672  
DB 1186 tacaagaatccgcaagctgagacgagcgctctcaccacacacacacacacac 1245  
QY 673 agcctgagacgagctgtgtgacctactcacaacacgagagctgtgtgcacgc 732  
DB 1246 agcctgagacgagctgtgtgacctactcacaacacgagagctgtgtgcacgc 1305  
QY 733 accacgctgtgcccacacacacacacacacacacacacacacacacacacac 783  
DB 1306 accacgctgtgcccacacacacacacacacacacacacacacacacacacac 1365  
QY 784 gctcgtgagac 843  
DB 1366 gctcgtgagac 1425  
QY 844 ggcgagagctgtgagagacacacacacacacacacacacacacacacacac 903  
DB 126 ggcgagagctgtgagagacacacacacacacacacacacacacacacacac 1485  
QY 904 cctgagacagctgtgagagacacacacacacacacacacacacacacacacac 963  
DB 1486 cctgagacagctgtgagagacacacacacacacacacacacacacacacacac 1545  
QY 964 catgagagacgctgtgagagacacacacacacacacacacacacacacacac 1023  
DB 1546 catgagagacgctgtgagagacacacacacacacacacacacacacacacac 1605  
QY 1024 gaggatcagagacgagagagctgtgaccttccaaagggagagacacacac 1083  
DB 1606 gaggatcagagacgagagagctgtgaccttccaaagggagagacacacacac 1665  
QY 1084 cggcgtcctcagacgagacgagacacacacacacacacacacacacacacac 1143  
DB 1666 cggcgtcctcagacgagacgagacacacacacacacacacacacacacacac 1725  
QY 1144 cggatgac 1203  
DB 1726 cggatgac 1785  
QY 1204 ggtgagacagctgtgagacacacacacacacacacacacacacacacacac 1263

DB 1786 ATATCAAGATTGCTGACTTCGATTGGCCGATTGATGAGACATGATGACACAGCA 1845  
QY 1264 cggcagagctgcccacacacacacacacacacacacacacacacacacacac 1323  
DB 1846 AGACAAGGTGCAAAAGTTCCTCCATCAAGTGAGAGGCCCCGAGGACGCTTGACGGAAG 1905  
QY 1324 ttcaacatcaagctgagagctgtgtccttcgagacacacacacacacacacacac 1383  
DB 1906 ttcaacatcaagctgagagctgtgtccttcgagacacacacacacacacacacac 1965  
QY 1384 ggaacggtgtccctcactcctgagatgagacgagagctgtgtgacacagctgagagc 1443  
DB 1966 ggaacggtgtccctcactcctgagatgagacgagagctgtgtgacacagctgagagc 2025  
QY 1444 tacggatgctcctgcccgcgagagctgtccgagctcctcgaagacacacacacacac 1503  
DB 2026 tacggatgctcctgcccgcgagagctgtccgagctcctcgaagacacacacacacac 2085  
QY 1504 tggcgaagagacgctgagagacgagacacacacacacacacacacacacacacac 1563  
DB 2086 tggcgaagagacgctgagagacgagacacacacacacacacacacacacacacac 2145  
QY 1564 tacttaccctcaccagagccacagctaccagcccgagagacacacacacacacac 1610  
DB 2146 tacttaccctcaccagagccacagctaccagcccgagagacacacacacacacac 2192

## RESULT 7

US-08-306-691B-40  
Sequence 40, Application US/08306691B

Patent No. 5734039

GENERAL INFORMATION:

APPLICANT: Skorski, Bruno

APPLICANT: Calabretta, Bruno

TITLE OF INVENTION: ANTISENSE

TITLE OF INVENTION: OLIGONUCLEOTIDES TARGETING COOPERATING ONCOGENES

NUMBER OF SEQUENCES: 55

CORRESPONDENCE ADDRESS:

ADDRESSEE: Seidel, Gonda, Lavorgna & Monaco, P. C.

STREET: Two Penn Center, Suite 1800

CITY: Philadelphia

STATE: Pennsylvania

COUNTRY: U.S.A.

ZIP: 19102

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 720 KB

COMPUTER: IBM PS/2

OPERATING SYSTEM: MS-DOS

SOFTWARE: WordPerfect 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/306,691B

FILING DATE: September 15, 1994

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Monaco, Daniel A.

REGISTRATION NUMBER: 30,480

REFERENCE/DOCKET NUMBER: 8321-8

TELECOMMUNICATION INFORMATION:

TELEPHONE: (215) 568-8383

TELEFAX: (215) 568-5549

TELEX: No. 5734039e

INFORMATION FOR SEQ ID NO: 40:

SEQUENCE CHARACTERISTICS:

LENGTH: 1804 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

US-08-306-691B-40













Matches 730: Conservative 0; Mismatches 560; Indels 60; Gaps 5;

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OY 264 ctttggccctctatagctatagctagagagagacagctctctcaagaagg 323
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DB 503 ctttggccctctatagctatagctagagagagacagctctctcaagaagg 323
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OY 324 cgaagcgctccagctatgtctcaacacacagagagagagctgtgtccacccag 383
    |||||
DB 563 tcacaaactctcaagctgtctcaacacacagagagagagctgtgtccacccag 383
    |||||
OY 384 ccaagagacagac-----agctacatccccaagacagctgtgtc 422
    |||||
DB 623 gaaagacagagatgctccagctacagctacagctacagctacagctacagct 682
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OY 423 gacctccagctccagctccagctccagctccagctccagctccagctccagct 482
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DB 683 tgagagacagagctccagctccagctccagctccagctccagctccagctccag 742
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OY 483 agagcgcttactgtctcaatgtcagagagagagagagagagctccagctccag 542
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DB 743 agagagacagagcttctgtctcaatgtcagagagagagagagagagctccag 802
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OY 543 gaccacagagagctgtctcaatgtcagagagagagagagagagctccagctccag 602
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DB 803 agcccaaaagagagctgtctcaatgtcagagagagagagagagagctccagctccag 847
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OY 603 cgtgaagacacacagctccagctccagctccagctccagctccagctccagctccag 662
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DB 848 tgtaaaacacacagctccagctccagctccagctccagctccagctccagctccag 907
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OY 663 ccaagtcacacagctccagctccagctccagctccagctccagctccagctccag 722
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DB 908 aatcttttcaaacctgacacacagctccagctccagctccagctccagctccagctccag 967
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OY 723 ccaagtcacacagctccagctccagctccagctccagctccagctccagctccag 770
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OY 771 cgtgaagacacacagctccagctccagctccagctccagctccagctccagctccag 830
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DB 1028 tgtaaaacacacagctccagctccagctccagctccagctccagctccagctccag 1087
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OY 831 ccaagtcacacagctccagctccagctccagctccagctccagctccagctccag 890
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DB 1088 aatcttttcaaacctgacacacagctccagctccagctccagctccagctccagctccag 1147
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OY 891 ccaaaacacacagctccagctccagctccagctccagctccagctccagctccag 950
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DB 1148 gaaagacacacagctccagctccagctccagctccagctccagctccagctccag 1207
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OY 951 gaaagacacacagctccagctccagctccagctccagctccagctccagctccag 1007
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DB 1208 gaaagacacacagctccagctccagctccagctccagctccagctccagctccag 1267
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OY 1008 cacttccatctcagctccagctccagctccagctccagctccagctccagctccag 1067
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DB 1268 aattttatattatagctccagctccagctccagctccagctccagctccagctccag 1327
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OY 1068 gaaagacacacagctccagctccagctccagctccagctccagctccagctccag 1127
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DB 1328 cacttccatctcagctccagctccagctccagctccagctccagctccagctccag 1387
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OY 1128 cagtgagctcagctccagctccagctccagctccagctccagctccagctccag 1187
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DB 1388 aatggccttactgtgagctccagctccagctccagctccagctccagctccagctccag 1447
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OY 1188 ggtgagagagacacacagctccagctccagctccagctccagctccagctccagctccag 1247
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DB 1448 cgttgagagacacacagctccagctccagctccagctccagctccagctccagctccag 1507
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OY 1248 caatga-----gtacacgagcagcagcagcagcagcagcagcagcagcagcagc 1298
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DB 1508 agatgaagacacacagctccagctccagctccagctccagctccagctccagctccag 1567
    |||||

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OY 1299 tcaagagctgcctctcagctcagctcagctcagctcagctcagctcagctcagct 1358
    |||||
DB 1568 gccgcagcagctcagctcagctcagctcagctcagctcagctcagctcagctcagct 1627
    |||||
OY 1359 cctgctcagctcagctcagctcagctcagctcagctcagctcagctcagctcagctcagct 1418
    |||||
DB 1628 ccttcttattgaaatcttacttattgcaaaatcttacttacttacttacttacttacttact 1687
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OY 1419 ggtgctcagcagctcagctcagctcagctcagctcagctcagctcagctcagctcagct 1478
    |||||
DB 1688 ggtatccagctcagctcagctcagctcagctcagctcagctcagctcagctcagctcagct 1747
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OY 1479 cctgctcagcagctcagctcagctcagctcagctcagctcagctcagctcagctcagct 1538
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DB 1748 attttacacacacacacacacacacacacacacacacacacacacacacacacacacacac 1807
    |||||
OY 1539 gtacttgagcctcctcctcctcctcctcctcctcctcctcctcctcctcctcctcctcct 1568
    |||||
DB 1808 gacactgcgttgcaaaccttgcaaaccttgcaaaccttgcaaaccttgcaaaccttgcaaac 1837
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```

RESULT 13

US-08-222-616-19/c

Sequence 19, Application US/08222616

Patent No. 5635177

GENERAL INFORMATION:

APPLICANT: Bennett, Brian D.

APPLICANT: Goeddel, David

APPLICANT: Lee, James M.

APPLICANT: Matthews, William

APPLICANT: Tsai, Siao Ping

APPLICANT: Wood, William I.

TITLE OF INVENTION: PROTEIN TYROSINE KINASE A30NIST

TITLE OF INVENTION: ANTIBODIES

NUMBER OF SEQUENCES: 42

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/222,616

FILING DATE: 4-APR-1994

CLASSIFICATION: 530

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US93/00586

FILING DATE: 22-JAN-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/826935

FILING DATE: 22-JAN-1992

ATTORNEY/AGENT INFORMATION:

NAME: Lee, Wendy M.

REGISTRATION NUMBER:

REFERENCE/DOCKET NUMBER: 821P2

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1994

TELEFAX: 415/952-9881

TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 19:

SEQUENCE CHARACTERISTICS:

LENGTH: 7607 bases

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

US-08-222-616-19



Query Match: 15.6%; Score 252; DB 2; Length 271;

Best Local Similarity 100.0%; Pred. No. 3.5e-43;  
 Matches 252; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	atggttagcaacaagcaagccaaggaatgccaagcagcgcgccgagccttgagccc	60
Db	12	ATGGGTAGCAACAAGCAAGCCCAAGATGCCAGCCAGCGCGCCGACGCTGAGGCC	71
QY	61	gccgagaacgtgcacgagcgtgaggggagccttcccgccctgcagacccccaag	120
Db	72	GCCGAGACGTGCAAGCGGCGGCGGCGCTTCCCGCTGCAGACCCCGCAAG	131
QY	121	ccagccctcgccagccagccagccagccagcccttcgcccccgccgagccgag	180
Db	132	CCAGCCTCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG	191
QY	181	cccaagctgttcgagagcttcaactcctcgacacacgctcaccctcccgagagggc	240
Db	192	CCCAAGCTGTTCGAGGCTTCAACTCTCGGACAACGTCACCTCCCCGAGAGGCGG	251
QY	241	ccgctgagccgt	252
Db	252	CCGCTGCGCGGT	263

Search completed: December 30, 2000, 09:43:18  
 Job time: 6897 sec